

**To:** Manzanilla, Enrique[Manzanilla.Enrique@epa.gov]; Hubbard, Secody[Hubbard.Secody@epa.gov]; Nattis, Randy[Nattis.Randy@epa.gov]; Guria, Peter[Guria.Peter@epa.gov]; Robberson, Bill[Robberson.Bill@epa.gov]; Moore, Kathi[Moore.Kathi@epa.gov]  
**Cc:** Allen, HarryL[Allen.HarryL@epa.gov]  
**From:** Yogi, David  
**Sent:** Tue 8/11/2015 6:09:09 PM  
**Subject:** RE: Additional Gold King Mine statement/update 8/10

This is great. Will be sharing with Community Health Representatives today at 1 in Shiprock so they can get word out to hospitals. Anything else like this greatly appreciated/needed.

Thanks!!

**From:** Manzanilla, Enrique  
**Sent:** Tuesday, August 11, 2015 11:06 AM  
**To:** Yogi, David; Hubbard, Secody; Nattis, Randy; Guria, Peter; Robberson, Bill; Moore, Kathi  
**Cc:** Allen, HarryL  
**Subject:** FW: Additional Gold King Mine statement/update 8/10

Yellow highlighted is releasable.

**From:** Harris-Bishop, Rusty  
**Sent:** Tuesday, August 11, 2015 10:59 AM  
**To:** Zito, Kelly; Manzanilla, Enrique  
**Cc:** Keener, Bill; Guria, Peter; Robberson, Bill; Moore, Kathi; Allen, HarryL  
**Subject:** RE: Additional Gold King Mine statement/update 8/10

Yes, I think Rebecca Russo sent it out to everyone.

Rusty



**Rusty Harris-Bishop** • Superfund Project Manager • Communications Liaison • US Environmental Protection Agency •

75 Hawthorne Street • San Francisco, CA • 94105 • 415.972.3140 • 415.694.8840 (c)

**From:** Zito, Kelly  
**Sent:** Tuesday, August 11, 2015 11:38 AM  
**To:** Harris-Bishop, Rusty; Manzanilla, Enrique  
**Cc:** Keener, Bill; Guria, Peter; Robberson, Bill; Moore, Kathi; Allen, HarryL  
**Subject:** RE: Additional Gold King Mine statement/update 8/10

Right. And I think it was already sent to R8 Congressionals..? Rusty – do I have that right?

**From:** Harris-Bishop, Rusty  
**Sent:** Tuesday, August 11, 2015 10:37 AM  
**To:** Manzanilla, Enrique  
**Cc:** Zito, Kelly; Keener, Bill; Guria, Peter; Robberson, Bill; Moore, Kathi; Allen, HarryL  
**Subject:** Re: Additional Gold King Mine statement/update 8/10

I believe so. It's old data from Aug 5-6. I don't understand why it's not releasable since it's available data.

Sent from my iPhone

On Aug 11, 2015, at 11:28 AM, Manzanilla, Enrique <[Manzanilla.Enrique@epa.gov](mailto:Manzanilla.Enrique@epa.gov)> wrote:

Is this releasable to govt authorities? Please clarify.

**From:** Harris-Bishop, Rusty  
**Sent:** Tuesday, August 11, 2015 7:47 AM  
**To:** Allen, HarryL

**Cc:** Manzanilla, Enrique; Blumenfeld, Jared; Strauss, Alexis; Kao, Jessica; Zito, Kelly; Guria, Peter  
**Subject:** Re: Additional Gold King Mine statement/update 8/10

Apparently this is not supposed to be publicly release able. It is not the criteria we are using to make the decision to open the river. Though the information is accurate they don't want us putting this information out.

Rusty

Sent from my iPhone

On Aug 11, 2015, at 8:21 AM, Allen, HarryL <[Allen.HarryL@epa.gov](mailto:Allen.HarryL@epa.gov)> wrote:

Risk message based on spill site data:

Low risk of human health effects from contact with or ingestion of river water (even considering a 30 day repeated exposure).

Low risk of adverse effects on livestock from water ingestion or contact.

pH is normal. Avoid orange colored water as a precaution. Always wash w soap and water after being in contact w river water.

Sent from my iPhone

Begin forwarded message:

**From:** "Cristiano, Gina" <[Cristiano.Gina@epa.gov](mailto:Cristiano.Gina@epa.gov)>  
**Date:** August 11, 2015 at 2:15:13 AM PDT  
**To:** Megan Crandall <[mcrandal@blm.gov](mailto:mcrandal@blm.gov)>, Donald Hoffheins <[dhoffhei@blm.gov](mailto:dhoffhei@blm.gov)>, "larry.wolk@state.co.us" <[larry.wolk@state.co.us](mailto:larry.wolk@state.co.us)>, "Urdiales, Aaron" <[Urdiales.Aaron@epa.gov](mailto:Urdiales.Aaron@epa.gov)>, "Ackerman, Joyce" <[Ackerman.Joyce@epa.gov](mailto:Ackerman.Joyce@epa.gov)>, "Allen, HarryL" <[Allen.HarryL@epa.gov](mailto:Allen.HarryL@epa.gov)>,

"Allison.Majure@state.nm.us" <Allison.Majure@state.nm.us>, "Bahrman, Sarah" <Bahrman.Sarah@epa.gov>, "Bohan, Suzanne" <bohan.suzanne@epa.gov>, "bsmartinez@fs.fed.us" <bsmartinez@fs.fed.us>, "Buhl, Rick" <Buhl.Rick@epa.gov>, Butch Knowlton-LaPlata Co EM <knowltonbk@co.laplata.co.us>, "Card, Joan" <Card.Joan@epa.gov>, "Chavez, Luke" <Chavez.Luke@epa.gov>, "Copeland, Michael" <Copeland.Michael@epa.gov>, "Crossland, Ronnie" <Crossland.Ronnie@epa.gov>, "dariotti@utah.gov" <dariotti@utah.gov>, "david.kreutzer@state.co.us" <david.kreutzer@state.co.us>, "david.kurz@state.co.us" <david.kurz@state.co.us>, "Dhieux, Joyel" <Dhieux.Joyel@epa.gov>, "dietrich@utah.gov" <dietrich@utah.gov>, "director@sjcph.org" <director@sjcph.org>, "doug.jamison@state.co.us" <doug.jamison@state.co.us>, "dspangler@utah.gov" <dspangler@utah.gov>, "dwong@utah.gov" <dwong@utah.gov>, "egaddis@utah.gov" <egaddis@utah.gov>, "Eoc, Epahq" <Eoc.Epahq@epa.gov>, "Faulk, Libby" <Faulk.Libby@epa.gov>, "Foster, Althea" <Foster.Althea@epa.gov>, "Garcia, David" <Garcia.David@epa.gov>, "gary.baughman@state.co.us" <gary.baughman@state.co.us>, "Gleason, Michael" <Gleason.Michael@epa.gov>, "greg.nauble@state.co.us" <greg.nauble@state.co.us>, "Griswold, Hays" <Griswold.Hays@epa.gov>, "Hayes, Mark" <hayes.mark@epa.gov>, "Hestmark, Martin" <Hestmark.Martin@epa.gov>, "jason.king@state.co.us" <jason.king@state.co.us>, Joshua Allan - BIA <joshua.allan@bia.gov>, "Kahn, Lisa" <Kahn.Lisa@epa.gov>, "karin.mcgowan@state.co.us" <karin.mcgowan@state.co.us>, "KBousfield@utah.gov" <KBousfield@utah.gov>, "Kortuem, Patrice" <Kortuem.Patrice@epa.gov>, "kshelley@utah.gov" <kshelley@utah.gov>, "Land, Kelcey" <Land.Kelcey@epa.gov>, "Laura.Rendon@state.nm.us" <Laura.Rendon@state.nm.us>, Liane Jollon - San Juan Basin HD <ljollon@sjbhd.org>, "llamb@utah.gov" <llamb@utah.gov>, "Lloyd, Lisa" <Lloyd.Lisa@epa.gov>, "Logan, Paul" <Logan.Paul@epa.gov>, "Madigan, Andrea" <Madigan.Andrea@epa.gov>, "martha.rudolph@state.co.us" <martha.rudolph@state.co.us>, "McComb, Martin" <McComb.Martin@epa.gov>, "McGrath, Shaun" <McGrath.Shaun@epa.gov>, "meghan.trubee@state.co.us" <meghan.trubee@state.co.us>, "mjblanchard@fs.fed.us" <mjblanchard@fs.fed.us>, "Mohr, Mindy" <Mohr.Mindy@epa.gov>, "monica.sheets@state.co.us" <monica.sheets@state.co.us>, "Myers, Craig" <Myers.Craig@epa.gov>, "Mylott, Richard" <Mylott.Richard@epa.gov>, "Nattis, Randy" <Nattis.Randy@epa.gov>, "O'Connor, Darcy" <oconnor.darcy@epa.gov>, "Ostrander, David" <Ostrander.David@epa.gov>, "patrick.j.pfaltzgraff@state.co.us" <patrick.j.pfaltzgraff@state.co.us>, "Patrick.Longmire@state.nm.us" <Patrick.Longmire@state.nm.us>, R8 Documentation Unit Leader <R08\_Documentation\_Unit\_Leader@epa.gov>, "Restivo, Angela" <Restivo.Angela@epa.gov>, "Russo, Rebecca" <Russo.Rebecca@epa.gov>, "Saldenha, Jasmine" <Saldenha.Jasmine@epa.gov>, "Sandoval, Joni"

<Sandoval.Joni@epa.gov>, Sid Caesar - BIA <sid.caesar@bia.gov>, "Sierra, Eddie" <Sierra.Eddie@epa.gov>, "Sisk, Richard" <Sisk.Richard@epa.gov>, "Smith, Paula" <Smith.Paula@epa.gov>, "Stavnes, Sandra" <Stavnes.Sandra@epa.gov>, "Stevenson, Peter" <Stevenson.Peter@epa.gov>, "Thomas, Deb" <thomas.debrah@epa.gov>, "tojohns@southernute-nsn.gov" <tojohns@southernute-nsn.gov>, "tyson.ingles@state.co.us" <tyson.ingles@state.co.us>, "Videtich, Callie" <Videtich.Callie@epa.gov>, "Ward, W. Robert" <Ward.Robert@epa.gov>, "warren.smith@state.co.us" <warren.smith@state.co.us>, "Way, Steven" <way.steven@epa.gov>, "wbaker@utah.gov" <wbaker@utah.gov>, "Webster, Susan" <webster.susan@epa.gov>, "Werner, Phillip" <Werner.Phillip@epa.gov>, "wr.roc@noaa.gov" <wr.roc@noaa.gov>, "Hardegen, Steven" <Steven.Hardegen@fema.dhs.gov>, "Myers, Richard" <Richard.Myers2@fema.dhs.gov>, "Jackson jr, Jesse" <Jesse.JacksonJr@fema.dhs.gov>, Megan Crandall <mcrandal@blm.gov>, Donald Hoffheins <dhoffhei@blm.gov>, "larry.wolk@state.co.us" <larry.wolk@state.co.us>, "Urdiales, Aaron" <Urdiales.Aaron@epa.gov>  
**Cc:** "Freed, Chris" <Freed.Chris@epa.gov>

**Subject: Additional Gold King Mine statement/update 8/10**

All,

The following information is also being released:

EPA has compared the surface water quality data collected on August 5 and 6 to screening levels for human health developed by EPA. The screening levels for human incidental ingestion during recreation are based on an exposure duration totaling 60 days, 8 hours/day. The State of Colorado has developed screening levels for agricultural exposure. The screening levels for agricultural exposure are based on an exposure duration totaling 30 days.

Based on the data we have seen so far, EPA and ATSDR do not anticipate adverse health effects from exposure to the metals detected in the river water samples from skin contact or incidental (unintentional) ingestion. Similarly, the risk of adverse effects to livestock that may have been exposed to metals detected in river water samples from ingestion or skin contact is low. It is advisable to avoid areas with orange discoloration in the river water.

Although the pH levels between Cement Creek and Durango have returned to baseline levels washing with soap and water after contact with the river water is a

sound public health practice to minimize exposure to the metals and bacteria that may be present in any untreated river water.

**From:** Cristiano, Gina

**Sent:** Monday, August 10, 2015 7:43 PM

**To:** Megan Crandall; Donald Hoffheins; '[larry.wolk@state.co.us](mailto:larry.wolk@state.co.us)'; Urdiales, Aaron; Ackerman, Joyce; Allen, HarryL; '[Allison.Majure@state.nm.us](mailto:Allison.Majure@state.nm.us)'; Bahrman, Sarah; Bohan, Suzanne; '[bsmartinez@fs.fed.us](mailto:bsmartinez@fs.fed.us)'; Buhl, Rick; Butch Knowlton-LaPlata Co EM; Card, Joan; Chavez, Luke; Copeland, Michael; Cristiano, Gina; Crossland, Ronnie; '[dariotti@utah.gov](mailto:dariotti@utah.gov)'; '[david.kreutzer@state.co.us](mailto:david.kreutzer@state.co.us)'; '[david.kurz@state.co.us](mailto:david.kurz@state.co.us)'; Dhieux, Joyel; '[dietrich@utah.gov](mailto:dietrich@utah.gov)'; '[director@sjcph.org](mailto:director@sjcph.org)'; '[doug.jamison@state.co.us](mailto:doug.jamison@state.co.us)'; '[dspangler@utah.gov](mailto:dspangler@utah.gov)'; '[dwong@utah.gov](mailto:dwong@utah.gov)'; '[egaddis@utah.gov](mailto:egaddis@utah.gov)'; Eoc, Epahq; Faulk, Libby; Foster, Althea; Garcia, David; '[gary.baughman@state.co.us](mailto:gary.baughman@state.co.us)'; Gleason, Michael; '[greg.naugle@state.co.us](mailto:greg.naugle@state.co.us)'; Griswold, Hays; Hayes, Mark; Hestmark, Martin; '[jason.king@state.co.us](mailto:jason.king@state.co.us)'; Joshua Allan - BIA; Kahn, Lisa; '[karin.mcgowan@state.co.us](mailto:karin.mcgowan@state.co.us)'; '[KBousfield@utah.gov](mailto:KBousfield@utah.gov)'; Kortuem, Patrice; '[kshelley@utah.gov](mailto:kshelley@utah.gov)'; Land, Kelcey; '[Laura.Rendon@state.nm.us](mailto:Laura.Rendon@state.nm.us)'; Liane Jollon - San Juan Basin HD; '[llamb@utah.gov](mailto:llamb@utah.gov)'; Lloyd, Lisa; Logan, Paul; Madigan, Andrea; '[martha.rudolph@state.co.us](mailto:martha.rudolph@state.co.us)'; McComb, Martin; McGrath, Shaun; '[meghan.trubee@state.co.us](mailto:meghan.trubee@state.co.us)'; '[mjblanchard@fs.fed.us](mailto:mjblanchard@fs.fed.us)'; Mohr, Mindy; '[monica.sheets@state.co.us](mailto:monica.sheets@state.co.us)'; Myers, Craig; Mylott, Richard; Nattis, Randy; O'Connor, Darcy; Ostrander, David; '[patrick.j.pfaltzgraff@state.co.us](mailto:patrick.j.pfaltzgraff@state.co.us)'; '[Patrick.Longmire@state.nm.us](mailto:Patrick.Longmire@state.nm.us)'; R8 Documentation Unit Leader; Restivo, Angela; Russo, Rebecca; Saldenha, Jasmine; Sandoval, Joni; Sid Caesar - BIA; Sierra, Eddie; Sisk, Richard; Smith, Paula; Stavnes, Sandra; Stevenson, Peter; Thomas, Deb; '[tojohns@southernute-nsn.gov](mailto:tojohns@southernute-nsn.gov)'; '[tyson.ingles@state.co.us](mailto:tyson.ingles@state.co.us)'; Videtich, Callie; Ward, W. Robert; '[warren.smith@state.co.us](mailto:warren.smith@state.co.us)'; Way, Steven; '[wbaker@utah.gov](mailto:wbaker@utah.gov)'; Webster, Susan; Werner, Phillip

**Cc:** Freed, Chris

**Subject:** Gold King Mine statement/update 8/10

The Gold King Mine Release statement/update for 8/10 is attached.

Thank you, Gina

Gina Cristiano

Emergency Response & Planning Coordinator

EPA Region 8

303-312-6688